REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
30.0	-	0.60	= 72.0	
14.0	-	0.60	= 33.60	
30.0	-	0.60	= 72.0	
16.0	-	0.60	= 38.40	
30.0	-	0.60	= 72.0	
30.0	-	0.60	= 72.0	
14.0	-	0.60	= 33.60	
30.0	-	0.60	= 72.0	
30.0	-	0.60	= 72.0	
4.0	-	0.60	= 33.60	
30.0	-	0.60	= 72.00	
			1554.00 Sqm	
		2/5/18		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351376

Serial No. MAIN-BILL:-

Name of Work Improvements to drains of ~~From~~ 15th to 18th cross ~~To~~ roads of Jakkur layout in WT

Name of Contractor of nature of Agency byatarayanapura.

Date of commencement of work → M/s. KRIDL.

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.01:- Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete.,						
	Qty vide page no. 3514/351370 →					536.93 cum	
	At the rate of Rs. 86.92 →						46669.95
	Item No.09:- loading and unloading charges,						
	Qty vide item No.01 →					536.93 cum	
	At the rate of Rs. 106.00 →						56914.60

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 02:- Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm.,						
	Qty vide ~~Page~~ No. 02 →		351371 →	94.13 cum.			485618.55
	At the rate of Rs. 5159.02 →						
	Item No. 04:- Providing TMT steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design,						
	Qty vide ~~Page~~ No.		351374 →	10.45 tonne			671343.70
	At the rate of Rs. 64243.42 →						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No. 05:- Providing a
	for columns, pillars, pier
	slabs / side walls polygon
	Qty vide page
	At the rate of
	Item No. 03:- Providing an
	design mix M40 with O.P.C
	metal coarse aggregate
	with superplastizers e
	7 days cross RHS - met. conti

IENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
sition plain cement concrete of				
1 →	94.13 cum			485618.55
ement for RCC work including				
hooking, placing in position,				
s required, tying with binding				
cing members wherever necessary				
→	10.45 tonne			671343.70
→				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351377

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item No. 05:- Providing and removing centering, shuttering, strutting, propping etc, for columns, pillars, piers, abutments, post and struts, square / rectangular slabs / side walls polygon in plan including cost of materials, labour complete;						
	as per vide page no. 351375 →		1554.00 sqm				
	At the rate of Rs. 387.96 →						602889.80
	Item No. 03:- Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm & down size graded metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3 lts conforming to IS 9103:- 1999 as-affirmed:-						
	7th cross RTPS - met. contineed:-						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Bottom:- 71.5 - 101.50	01	30.0	0.75	0.15	= 3.38	
	101.5 - 114.	01	12.50	0.75	0.15	= 1.41	
	Sidewall: C&F.C.	01x2=2	30.0	0.15	0.60	= 5.40	
		01x2=2	12.50	0.15	0.60	= 2.25	
						12.43cum	
	2nd Bichose - RHS:- 0-30	01	30.0	0.75	0.15	= 3.38	
	Bottom 30-60	01	30.0	0.75	0.15	= 3.38	
	60-74	01	14.0	0.75	0.15	= 1.58	
	74-104	01	30.0	0.75	0.15	= 3.38	
	104-130	01	27.0	0.75	0.15	= 3.04	
	Sidewall:	01x2=2	30.0	0.15	0.60	= 5.40	
		01x2=2	30.0	0.15	0.60	= 5.40	
		01x2=2	14.0	0.15	0.60	= 2.52	
		01x2=2	30.0	0.15	0.60	= 5.40	
		01x2=2	27.0	0.15	0.60	= 4.86	
						38.32 cum	

50.75

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	2nd Bichose - RHS:- 0-30	0
	Bottom 30-60	0
	60-74	0
	74-104	0
	104-130	0
	Sidewall C&F.C.	01x
		01x
		01x
		01x
		01x

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
5	0.15	= 3.38	
5	0.15	= 1.41	
5	0.60	= 5.40	
5	0.60	= 2.25	
		12.43 cum	
5	0.15	= 3.38	
5	0.15	= 3.38	
5	0.15	= 7.58	
5	0.15	= 3.38	
5	0.15	= 3.04	
5	0.60	= 5.40	
	0.60	= 5.40	
	0.60	= 2.52	
	0.60	= 5.46	
	0.60	= 4.86	
		38.32 cum	

50.75

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351378

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2		Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2nd Pitch Rise - RHS:	0-30	01	30.0	0.75	0.15	= 3.38	
	Bottom	30-60	01	30.0	0.75	0.15	= 3.38	
		60-74	01	14.0	0.75	0.15	= 1.58	
		74-104	01	30.0	0.75	0.15	= 3.38	
		104-130	01	26.0	0.75	0.15	= 2.93	
	Sidewall		01x2=2	30.0	0.15	0.60	= 5.40	
			01x2=2	30.0	0.15	0.60	= 5.40	
			01x2=2	14.0	0.15	0.60	= 2.52	
			01x2=2	30.0	0.15	0.60	= 5.40	
			01x2=2	26.0	0.15	0.60	= 4.68	
							38.03 cum	

88.78

MEASUREMENT BOOK

Date	Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
			Number	Length	Breadth	Depth		
1	2		3	4	5	6	7	8
	3rd 'B' cross-LHS:	0-30	01	30.0	0.75	0.15	= 3.38	
	Bottom	30-46	01	16.0	0.75	0.15	= 1.80	
		46-76	01	30.0	0.75	0.15	= 3.38	
		76-106	01	30.0	0.75	0.15	= 3.38	
		106-120	01	14.0	0.75	0.15	= 1.58	
			01X2	30.0	0.15	0.60	= 5.40	
	sidewall		01X2	16.0	0.15	0.60	= 2.88	
		C&F.C.	01X2	30.0	0.15	0.60	= 5.40	
			01X2	30.0	0.15	0.60	= 5.40	
			01X2	14.0	0.15	0.60	= 2.52	
							35.10 cum	
	3rd 'B' cross-RHS:	0-30	01	30.0	0.75	0.15	= 3.38	
	Bottom	30-46	01	16.0	0.75	0.15	= 1.80	
		46-76	01	30.0	0.75	0.15	= 3.38	
		76-106	01	30.0	0.75	0.15	= 3.38	
		106-120	01	14.0	0.75	0.15	= 1.58	
							137.40	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	sidewall
	C&F.C.
	4th 'B' cross-LHS: 0-30
	Bottom 30-60
	60-74
	84-114
	sidewall:

T BOOK

ions			Contents 88.78	Reference to last Measurement
Breadth 5	Depth 6		7	8
75	0.15	=	3.38	
75	0.15	=	1.80	
75	0.15	=	3.38	
75	0.15	=	3.38	
75	0.15	=	1.58	
15	0.60	=	5.40	
15	0.60	=	2.88	
15	0.60	=	5.40	
15	0.60	=	5.40	
15	0.60	=	2.52	
			35.10 cum	
75	0.15	=	3.38	
75	0.15	=	1.80	
75	0.15	=	3.38	
75	0.15	=	3.38	
75	0.15	=	1.58	

137.40

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351379

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 137.40 7	Reference to last Measurement 8
	Sidewall	01x2	30.0	0.15	0.60	= 5.40	
		01x2	16.0	0.15	0.60	= 2.88	
		01x2	30.0	0.15	0.60	= 5.40	
		01x2	30.0	0.15	0.60	= 5.40	
		01x2	14.0	0.15	0.60	= 2.52	
						35.10 cum	
	4th 'A' cross-LHS: 0-30	01	30.0	0.75	0.15	= 3.38	
	30-60	01	30.0	0.75	0.15	= 3.38	
	Bottom 60-74	01	14.0	0.75	0.15	= 1.58	
	84-114	01	30.0	0.75	0.15	= 3.38	
	Sidewall:	01x2	30.0	0.15	0.60	= 5.40	
		01x2	30.0	0.15	0.60	= 5.40	
		01x2	14.0	0.15	0.60	= 2.52	

184.04

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01x2	30.0	0.15	0.60	= 5.40	
						30.42 cum	
	At the rate of Rs. 6371.66 →			Total=		189.40 cum	1206792.0
Item No. 06:-	Providing and constructing load bearing wall with solid concrete solid blocks having block density not less than 1800 kg/m3,						
	6th 'B' cross:-						
	Raising drain sidewall:						
	0-30	2x2	30.0	-	0.20	= 24.00	
	30-56	2x2	26.0	-	0.20	= 20.80	
						44.80 sqm	
	Qty Ltd to 44.00 sqm						
	At the rate of Rs. 993.22 →						43701.70

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
Item No 08:-	Providing and reinforced cement concrete including centering shut concrete laid in layers
	7th 'B' cross - RHS:- measure
	71.5 - 114
	2nd 'B' cross - LHS, 0-130
	2nd 'B' cross - RHS, 0-130
	3rd 'B' cross - LHS, 0-170
	4th 'B' cross - RHS, 0-114
	4th 'B' cross - RHS, 0-104

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	184.04 7	8
0	0.15	0.60	= 5.40	
			30.42 cum	
		total =	189.40 cum	1206792.0
load bearing wall with				
g blocks density not less than				
	-	0.20	= 24.00	
	-	0.20	= 20.80	
			44.80 sqm	
				43701.70

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351380

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No 08:- Providing and fixing 10cm th. precast RCC covering slab using reinforced cement concrete M20 with stone aggregate 20mm and down size including centering shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15cm th.;						
	7th 'B' cross - RHS :- measurements continued:						
	71.5 - 114	72	0.60	-	0.75	= 32.40	
	2nd 'B' cross - LHS, 0-130	220	0.60	-	0.75	= 99.00	
	2nd 'B' cross - RHS, 0-130	220	0.60	-	0.75	= 99.00	
	3rd 'B' cross - LHS, 0-170	205	0.60	-	0.75	= 92.25	
	4th 'B' cross - RHS, 0-114	200	0.60	-	0.75	= 90.00	
	4th 'B' cross - RHS, 0-104	181	0.60	-	0.75	= 81.45	
						586.35 sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	At the rate of Rs 2100.00 →						1231335.00
Item No 07:-	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.45 cum.)						
Ramps:-	7th 'B' cross-RHS	71.5	01x65	0.3	0.12	= 2.34	
	2nd 'B' cross-LHS	130	01x120	0.3	0.12	= 4.32	
	2nd 'B' cross-RHS	130	01x120	0.3	0.12	= 4.32	
	3rd 'B' cross-LHS	120	01x110	0.3	0.10	= 3.30	
	3rd 'B' cross-RHS	120	01x115	0.3	0.10	= 3.45	
	4th 'B' cross-LHS	114	01x105	0.3	0.10	= 3.15	
	~~4th 'B' cross-RHS~~	~~104~~	~~01x105~~				
	6th 'A' cross	56	01x56	0.3	0.15	= 5.04	
						25.92 cum	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Pty Ltd to
	At the rate of
Item No 08:-	Providing a
	7th 'B' cross RHS
	2nd 'B' cross LHS
	2nd 'B' cross RHS
	3rd 'B' cross LHS
	3rd 'B' cross RHS
	4th 'B' cross LHS-
	6th 'A' cross:

T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
			1231335.00
n plain cement concrete of mix			
mm and down size gp aded of			
0.69 cum and fine aggregates			
3	0.12	= 2.34	
0.3	0.12	= 4.32	
0.3	0.12	= 4.32	
0.3	0.10	= 3.30	
0.3	0.10	= 3.45	
0.3	0.10	= 3.15	
0.3	0.15	= 5.04	
		25.92 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351381

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty Ltd to	25.40 cum.					
	At the rate of Rs. 5767.46 →						146493.45
	Item No.08:- Providing and fixing MS grating:						
	7th 'B' cross RHS	06	-	-	-	= 06	
	2nd 'B' cross LHS	06	-	-		= 06	
	2nd 'B' cross RHS	06	-	-	-	= 06	
	3rd 'B' cross LHS	05	-	-	-	= 05	
	3rd 'B' cross RHS	04	-	-	-	= 04	
	4th 'B' cross LHS.	03	-	-	-	= 03	
	6th 'A' cross:	05	-	-	-	= 05	
						35 nos	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	At the rate of Rs. 94.34 →						3301.90
				Total=		4495060.70	
	Add 10% KRIDL charges:-					449506.07	
	Add 1% cess charges:-					44950.607	
	Grand total:-					49,89517.40	

Applg. N.D
AE(W7)
20/06/18

Assistant Executive Engineer
Yelahanka Z- L.M.P.,
Bangalore.

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2

INDEX
- RCC drain

Applg. N.D
AE(W7)

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
				3301.90
Total=		4495060.70		
arges:-		449506.07		
ges:-		44950.607		
tal:-		49,89517.40		

ll. N.D
AE(W7)
20/06/18

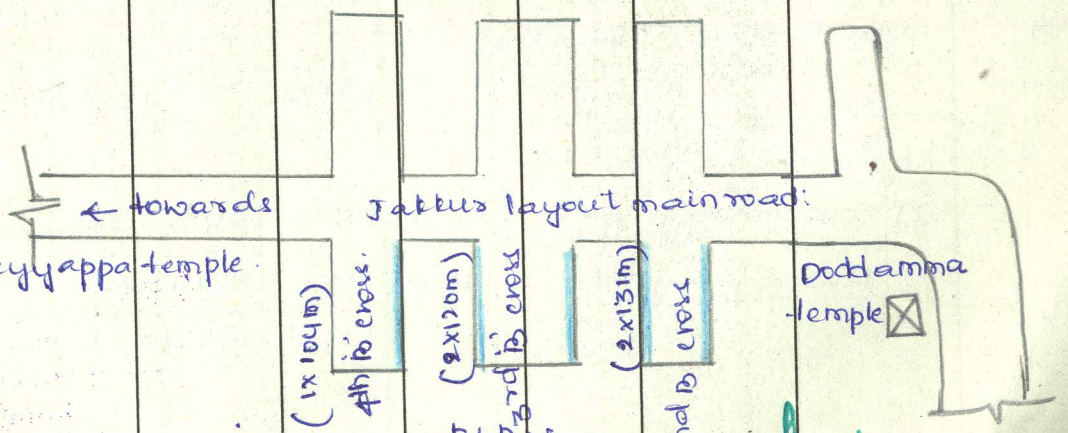
Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Z... L.M.P.,
Bangalore.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351382

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	INDEX - RCC drain Actl. N.D AE(W7)		(1x10.4m) 4th lib crest.	(2x12.0m) 3rd lib crest. PLD'N	(2x13.1m) 2nd lib crest.		



Assistant Executive Engineer.
Kodigehalli Sub Division

MEASUREMENT BOOK

Royalty charges.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		coarse		fine			
Sl. No.	Details	coeff	qty	co-eff	qty.		
01	40mm - 94.13 cum	0.96	90.36	0.48	45.18		
02	20mm - 25.40 cum	0.90	21.96	0.45	11.43		
03	RCC-20mm - 189.40 cum	0.85	160.99	0.416	78.79		
04	~~Volume Reg stat: - 586.35 x 0.10~~						
	Total:-		192.31		135.40		
	Abstract:-						
	01) coarse aggregate :-	192.31 x	108 =	2076	9.48		
	02) fine aggregate:	135.40 x	103 =	13946.20			
			Total	34715.68			

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	certificate:-
	1) certified that the co
	2) certified that debris
	Asstt Lly. N.D
	AE(W)

Assistan
Byatarayp
KRIDL

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
fore			
-eff	Qty.		
48	45.18		
45	11.43		
416	78.79		
	135.40		
0 76	9.48		
3946.20			
3471	5.68		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 351383

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:-						
	1) Certified that the contractor has completed the works satisfactorily.						
	2) Certified that debris has been removed from work spot						
	Applied. N.D AE(W)						
	Assistant Executive Engineer Byatarayanapura Sub-Division KRIDL, BBMP, Bangalore						
	Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs. 49,89,517-00	
						IT - 99790 = 00	
						Cess - 49895 - 00	
						CBF - 4990 - 00	
						LR - 34715 - 00	
						FSD - 249476 - 00	
						Fire - 1000 - 00	
						Advance - 439866-00	
						Cheque - 45,49,651-00	

49895 17-00

439866-00

4549651-00

Rs: Forty five lakh, forty nine

thousand six hundred fifty one only.

13/07

1/7

(DCB Bill)

Serial No. 1st and final bill:

Name of Work Topographical su

Name of Contractor of nature of Agency

Date of commencement of work M/s

Date	Full description, etc, of work
1	2
	Work order amount:-
	Work order No:-
	Item No. 01:-
	Topographical
	Certificate:-
	Certified that
	graphical survey s
	Dotplg. N.D
	AE(W)